

20061221.ba v03_n986.bam.20061221

>From ???@??? Thu Dec 21 03:21:37 2006 -0600
Date: Thu, 21 Dec 2006 09:20:27 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3986
Message-Id: <20061221092028.B2352187AB4@srvr1.theporch.com>

BOATANCHORS Digest 3986

Topics covered in this issue include:

- 1) Prices still going up...
by "James C. Garland" <4cx250b@muohio.edu>
- 2) Re: Prices still going up...
by Bob Roehrig <broehrig@aurora.edu>
- 3) Re: Prices still going up...
by Dan Arney <hankarn@pacbell.net>
- 4) Re: Audio Driven AGC.
by "Ken Hickman" <n5cm@rtconline.com>
- 5) pulling my leg, Art?
by "John Gillespie" <jgillespie@porchlight.ca>
- 6) Re: Whistler work at Stanford University
by "John Gillespie" <jgillespie@porchlight.ca>
- 7) Fwd: Prices still going up...
by W0E0M@aol.com
- 8) Re: pulling my leg, Art?
by Jerry Proc <jerry7proc@yahoo.com>
- 9) Re: Prices still going up...
by WA1KBQ@aol.com
- 10) Re: Prices still going up...
by john <johnmb@nc.rr.com>
- 11) thanks Art
by "John Gillespie" <jgillespie@porchlight.ca>
- 12) Electric Radio November 95 Article needed.
by "B. Smith" <smithab11@comcast.net>
- 13) Where to get coiled wire?
by john <johnmb@nc.rr.com>
- 14) Re: Electric Radio November 95 Article needed.
by "Al Parker" <anchor@ec.rr.com>
- 15) Re: pulling my leg, Art?
by ail0@att.net
- 16) Re: Where to get coiled wire?
by ail0@att.net
- 17) Need 73 Magazine, December 1995
by Jim Hill <Jim2_w6ivw@cox.net>
- 18) looking for a Silvertone schematic

- by Brian K Harris <brian.k.harris@nxp.com>
- 19) RE: looking for a Silvertone schematic
by "Art Lebermann" <artleb@earthlink.net>
 - 20) Re: looking for a Silvertone schematic
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
 - 21) HP boatanchor help
by "vilgotch@bigpond.net.au" <vilgotch@bigpond.net.au>
 - 22) tube subs- need opinon
by wb3fau@att.net
 - 23) Re: tube subs- need opinon
by Scott Robinson <spr@earthlink.net>
 - 24) Re: tube subs- need opinon
by "Arden Allen" <gumbear@pacbell.net>
 - 25) Re: tube subs- need opinon (with correction)
by "Arden Allen" <gumbear@pacbell.net>

Message-Id: <7.0.1.0.2.20061218211254.024bf928@muohio.edu>
Date: Mon, 18 Dec 2006 21:23:16 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: "James C. Garland" <4cx250b@muohio.edu>
Subject: Prices still going up...
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,
I've been watching (but not bidding!) a few radios on eBay this past week, and have been surprised at the final sales prices. These are all very nice radios, with reputable sellers, but wow! Looks like boatanchors are still moving up the collector ladder. Guess the economy isn't so bad after all.. Here are the facts:

Halli SX-28	(32 bids)	\$2400
Collins 75S3C	(16 bids)	\$2225
Collins 32S3A	(21 bids)	\$4050
Drake L75	(19 bids)	\$1545
HR0-500 Speaker	(9 bids)	\$805

73.
Jim W8ZR

James C. Garland
102 Spur Ranch Road
Santa Fe, NM 87540
www.w8zr.net

Date: Tue, 19 Dec 2006 08:13:37 -0600 (CST)
From: Bob Roehrig <broehrig@aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Prices still going up...
Message-ID: <Pine.LNX.4.61.0612190813090.19128@hermes.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII; format=flowed

On Mon, 18 Dec 2006, James C. Garland wrote:

> Halli SX-28 (32 bids) \$2400

Hey - I'll let mine go for \$1500 :-)

Bob Roehrig
Aurora University Telecom dept.
broehrig@aurora.edu
K9EUI W9ZGP WD2XSH/19
630-844-4898 fax 630-844-4222
"Nostalgia is a thing of the past"

Message-ID: <4587F618.2070408@pacbell.net>
Date: Tue, 19 Dec 2006 08:24:24 -0600
From: Dan Arney <hankarn@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Prices still going up...
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Hey Gang I have 6 of them
Hank
KN6DI

Message-ID: <000901c72347\$40cee6e0\$6b9c1f45@rtconline.com>
From: "Ken Hickman" <n5cm@rtconline.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Audio Driven AGC.
Date: Tue, 19 Dec 2006 08:25:33 -0000
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellows,

I am having trouble with outgoing messages. Does someone know "Jim" whose return Email address came in as: 4cx250b@muohio.edu ?
I cannot get my answer to go - I get the error signal: 0x800CCCC79.
I have tried "fix it" programs before costing money but they don't fix!!
Tired of wasting money !
Other outgoing mail goes ok.
Thanks for any help!

Ken N5CM

Message-ID: <009501c723c2\$cd93edc0\$4230bb40@k9a1e1>
From: "John Gillespie" <jgillespie@porchlight.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "old tube radios" <boatanchors@theporch.com>
Subject: pulling my leg, Art?
Date: Tue, 19 Dec 2006 18:08:53 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Art:

your not pulling my leg are you? water creating static with metal rings?
sounds interesting, do you have more infojohn

Art K3HBA wrote:

> When I worked at Bell Labs, we hooked up an apparatus that let water drip through
> two metal rings; each of which was cross-connected to metal foil inside a beaker
> into which the water dropped. We put closely-spaced circular ball electrodes from
the rings. As the water dropped through the rings, it would get charged and charge the
> inside of the beakers(and the rings). After a short while, enough charge built up
> to cause sparks between the balls.

Message-ID: <009401c723c2\$caece9a0\$4230bb40@k9a1e1>
From: "John Gillespie" <jgillespie@porchlight.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "old tube radios" <boatanchors@theporch.com>
Subject: Re: Whistler work at Stanford University
Date: Tue, 19 Dec 2006 17:55:01 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the feedback Paul very interesting, strange how the magnetic conjugate works eh!.....john

Paul Bernhardt wrote:

> I was at Stanford in the 1970's where research on whistlers was being
> conducted using transmissions from Siple Station Antarctica. A history of
> whistler research is given in the book Whistlers and Related Ionospheric
> Phenomena by Robert A. Helliwell (1965, Stanford University Press). The
> earliest whistler measurements at Stanford were in December 1954 showed
> that they were excited by lightning pulses observed on the USS Atka near
> the magnetic conjugate to Stanford.

From: W0EOM@aol.com
Message-ID: <cee.4dbf0ae.32b9e941@aol.com>
Date: Tue, 19 Dec 2006 20:17:53 EST
Subject: Fwd: Prices still going up...
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="part1_cee.4dbf0ae.32b9e941_boundary"

--part1_cee.4dbf0ae.32b9e941_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--part1_cee.4dbf0ae.32b9e941_boundary--

Date: Wed, 20 Dec 2006 08:34:47 -0500 (EST)
From: Jerry Proc <jerry7proc@yahoo.com>
Subject: Re: pulling my leg, Art?
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Message-ID: <25535.48076.qm@web90608.mail.mud.yahoo.com>

Good Day Gents,

Slightly off topic, but can't help to comment about this post.

When super tankers first came on on the scene, they were plagued with mysterious explosions when the tanks were being washed with high pressure water jets.

Eventually it was discovered that high pressure water rushing past the nozzle was creating static electricity. When enough of it built up, it discharged and ignited the residual and very flammable hydrocarbon fumes from the crude oil.

The solution to this problem was to vent the ship's engine exhaust into the tanks while they were being washed. Naturally, the carbon monoxide in the exhaust would prevent any combustion from occurring. That then, became the standard safety practice in further tanker designs.

--- John Gillespie <jgillespie@porchlight.ca> wrote:

> Hi Art:
> your not pulling my leg are you? water
> creating static with metal
> rings?
> sounds interesting, do you have more info

--

Regards,
Jerry Proc
E-mail: jerry7proc@yahoo.com

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
<http://mail.yahoo.com>

From: WA1KBQ@aol.com
Message-ID: <d12.24afa3d.32ba9825@aol.com>
Date: Wed, 20 Dec 2006 08:44:05 EST
Subject: Re: Prices still going up...
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----1166622244"

-----1166622244
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Price history is the guide most of us use to appraise value. Most of the price history is determined from actual recent sales of items in average condition which can be described as no two really being exactly alike due to a multitude of previous owners with different views toward use, repair, maintenance and care. Occasionally near mint one owner survivors turn up and the law of supply/demand dictates value. If we disagree with the price on the mint one we still have the opportunity to buy an average one.

Regards, Greg

-----1166622244
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----1166622244--

Message-Id: <6.2.1.2.2.20061220085341.02d9b280@pop-server.nc.rr.com>
Date: Wed, 20 Dec 2006 08:58:37 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Prices still going up...
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Yes, I think the cited recent high price examples are atypical for average rigs, but probably are reasonable prices for those six - sigma examples that have beaten the odds and have lived in a closet all their lives.

On the whole, it's pretty clear that prices have moderated quite a bit , since the dot-com boom time peak. This is a good thing, as speculation is not particularly good for those of us who enjoy using and owning the gear rather than those who just want to make a quick buck on it.

"Investing" in old ham radio gear seems a wonderful way to turn a big stack of money into a small stack.

Merry Christmas to all!
John K5MO

--
No virus found in this outgoing message.
Checked by AVG Free Edition.
Version: 7.1.405 / Virus Database: 268.15.24/592 - Release Date: 12/18/2006

Message-ID: <002c01c72446\$0ab51a20\$f731bb40@k9a1e1>
From: "John Gillespie" <jgillespie@porchlight.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "old tube radios" <boatanchors@theporch.com>
Subject: thanks Art
Date: Wed, 20 Dec 2006 09:46:00 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

thanks Art, Tom, Chuck and Jerry

There goes the theory that you can't teach an "Old Dog" a new trick.
hihi, very interesting, of course now I want to go build one for myself.

Thanks for all the info.... john

Art, K3HBA wrote

> When I worked at Bell Labs, we hooked up an apparatus that let water drip through
> two metal rings; each of which was cross-connected to metal foil inside a beaker
> into which the water dropped. We put closely-spaced circular ball electrodes from the rings. As the water dropped through the rings, it would get charged and charge the
> inside of the beakers(and the rings). After a short while, enough charge built up
> to cause sparks between the balls.

Message-ID: <000801c72469\$fe298b50\$731bc847@HAL1000>
From: "B. Smith" <smithab11@comcast.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Electric Radio November 95 Article needed.
Date: Wed, 20 Dec 2006 14:06:39 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0005_01C72440.115BE350"

This is a multi-part message in MIME format.

-----=_NextPart_000_0005_01C72440.115BE350
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Electric Radio November 95, page 10 article needed.=20
Anyone feel like scanning the Russian R-326 article in Electric Radio =
for me?

73 Breck k4che
-----=_NextPart_000_0005_01C72440.115BE350
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
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* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_0005_01C72440.115BE350--

Message-Id: <6.2.1.2.2.20061220144703.02d9c320@pop-server.nc.rr.com>
Date: Wed, 20 Dec 2006 14:49:02 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Where to get coiled wire?
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

I'm trying to find some single or 2 conductor small diameter coiled wire...maybe with #16 or #18 wire (or combination thereof) . I need it in relatively short lengths, so something cheap that I could cut off, that might have such wire, would be good too. Been looking at some of the web haunts, but cant find...

Suggestions?

Merry Christmas
John K5MO

--
No virus found in this outgoing message.
Checked by AVG Free Edition.
Version: 7.1.405 / Virus Database: 268.15.24/592 - Release Date: 12/18/2006

Message-ID: <0f6801c72472\$d3717bd0\$3201a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Electric Radio November 95 Article needed.
Date: Wed, 20 Dec 2006 15:09:58 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Breck,
I have it & can scan it for you tonite.
73,
Al, W8UT
New Bern, NC
BoatAnchors appreciated here
<http://www.boatanchors.org>

<http://www.hammarlund.info>

----- Original Message -----

From: "B. Smith" <smithab11@comcast.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Wednesday, December 20, 2006 2:06 PM
Subject: Electric Radio November 95 Article needed.

Electric Radio November 95, page 10 article needed.
Anyone feel like scanning the Russian R-326 article in Electric Radio for me?

73 Breck k4che

From: ail0@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: pulling my leg, Art?
Date: Wed, 20 Dec 2006 20:15:31 +0000
Message-Id:
<122020062015.27146.458999DF000C4FDC00006A0A2160466648CF04070E@att.net>

----- Original message -----
From: "John Gillespie" <jgillespie@porchlight.ca>
> Hi Art:
> your not pulling my leg are you? water creating static with metal
> rings?
> sounds interesting, do you have more infojohn
No, I'm not pulling your leg. The water has to come from a common container, fed via tubing to two stopcocks adjusted so that the water just breaks into drops as it comes level with the iron rings. Initially one of the drops carries some slight charge as it breaks into droplets. The charged drop goes into one beaker which, being connected to the opposite ring, charges that ring. Drops passing through that ring will have opposite polarity charges induced in them. The result is that drops through ring A are charged by the charges in beaker B and drops through ring B are charged by the water in beaker A. The end result is to "sort" the droplets so that each beaker receives its "own" type of charged droplets, hence the Zap! It is best done in a low humidity environment so they don't dissipate on the way down to the beakers.

Next trick: Freezing water into ice in the desert - no moving parts required, not even dripping water.
Art K3HBA

From: ail0@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Where to get coiled wire?
Date: Wed, 20 Dec 2006 20:29:06 +0000
Message-Id:
<122020062029.14098.45899D120005D05B000037122160466648CF04070E@att.net>

----- Original message -----
From: john <johnmb@nc.rr.com>
> I'm trying to find some single or 2 conductor small diameter coiled
> wire...maybe with #16 or #18 wire (or combination thereof) . I need it in
> relatively short lengths, so something cheap that I could cut off, that
> might have such wire, would be good too. Been looking at some of the web
> haunts, but cant find...
>
> Suggestions?
>
> Merry Christmas
> John K5MO
Buy some telephone hook-up wire. It will have 4 color-coded wires. If the gauge is too small, use colors in pairs. If you only need a little, go to the nearest building under construction and ask one of the electrician/installers for a few of the cut-off left overs. (I have lots if you are near NJ. It's also available with more pairs.
73
Art K3HBA

Message-Id: <7.0.1.0.2.20061220134436.0793e1a8@cox.net>
Date: Wed, 20 Dec 2006 13:52:23 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Hill <Jim2_w6ivw@cox.net>
Subject: Need 73 Magazine, December 1995
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi: I'm looking for the December, 1995 issue of 73 Magazine. It contains an article on synchronous rectifiers on page 14-16. Author is D.W. Cripe, KC3ZQ, now NE4AM.

If anyone has this issue available, I'll buy the magazine or pay for the article repro, including postage in either case.

Thanks, Jim

To: Old Tube Radios <boatanchors@theporch.com>
Subject: looking for a Silvertone schematic
MIME-Version: 1.0
Message-ID: <0FDE04DD53.07641A46-
ON8825724A.00800468-8625724A.00817393@philips.com>
From: Brian K Harris <brian.k.harris@nxp.com>
Date: Wed, 20 Dec 2006 17:33:06 -0600
Content-Type: text/plain; charset="US-ASCII"

I have a Silvertone "Model F" AM broadcast receiver (circa 1927) for which I would like a schematic. I know the schematic was published in Sears Service Manuals. Does anybody have a copy they can scan or copy? Costs reimbursed. It's a 5 tube TRF (2 RF, 1 DET, 2 AF), uses 201's and WLS 4600's (same as 201) and requires a separate power supply and speaker.

Thanks,

Brian K. Harris, Account Manager, South Central Region

NXP Semiconductors (founded by Philips)
2140 Lake Park Boulevard, Suite 200
Richardson, Texas 75080 USA

Mobile: 214-763-5977 (preferred)
Office: 972 705-2484
Fax: 972-705-2450
Email: brian.k.harris@nxp.com

Message-ID: <380-220061242124537125@earthlink.net>
From: "Art Lebermann" <artleb@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: looking for a Silvertone schematic
Date: Wed, 20 Dec 2006 18:45:37 -0800
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Brian.....

I have the schematic and parts list, in my copy of the Sears Roebuck Service Information for Silvertone Radios - dated May 1937.

I'll scan it, and send it to you, a little later tonight.

73,
Art Lebermann, W6REQ
Alameda, CA

> [Original Message]
> From: Brian K Harris <brian.k.harris@nxp.com>
> To: Old Tube Radios <boatanchors@theporch.com>
> Date: 12/20/2006 3:33:10 PM
> Subject: looking for a Silvertone schematic
>
> I have a Silvertone "Model F" AM broadcast receiver (circa 1927) for
which
> I would like a schematic. I know the schematic was published in Sears
> Service Manuals. Does anybody have a copy they can scan or copy? Costs
> reimbursed. It's a 5 tube TRF (2 RF, 1 DET, 2 AF), uses 201's and WLS
> 4600's (same as 201) and requires a separate power supply and speaker.
>
> Thanks,
>
> Brian K. Harris, Account Manager, South Central Region
>
> NXP Semiconductors (founded by Philips)
> 2140 Lake Park Boulevard, Suite 200
> Richardson, Texas 75080 USA
>
> Mobile: 214-763-5977 (preferred)
> Office: 972 705-2484
> Fax: 972-705-2450
> Email: brian.k.harris@nxp.com
>

Date: Wed, 20 Dec 2006 21:43:06 -0500 (EST)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200612210243.kBL2h6AS010447@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: looking for a Silvertone schematic

Brian, yo

Take a trip to:

<http://www.nostalgiaair.org/Resources/931/M0017931.htm>

then there's your diagram you silver toned devil

Marty

Message-ID: <17423760.1166678905828.JavaMail.root@web04sl>
Date: Thu, 21 Dec 2006 16:28:25 +1100
From: "vilgotch@bigpond.net.au" <vilgotch@bigpond.net.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP boatanchor help
Mime-Version: 1.0
Content-Type: text/plain; charset=utf-8
Content-Transfer-Encoding: 7bit

Hi all,

I am in the process of restoring a huge non-radio boatanchor, the HP 524B counter. 100 tubes and about 100 lbs makes it qualify in spades as a boatanchor! After looking for many years I recently found one. to replace my butchered unit which was beyond restoration. You may be pleased to hear that the cost of the new one was entirely financed by selling the power transformers & chokes from the old one to an audiophoole :-)

My (slight) problem is that the behemoth I have is a later model than the manual I have. It has a 7000... series S/N. The difference internally relates to the readout system for the fastest two decades, which are centre-zero meters calibrated 0-9. The older manual shows the staircase voltage for these meters derived from a resistor network driven from the plates of the counter flip flop tubes. The actual unit I have has a plug in unit labelled "staircase amplifier" with four Bugle Boy 12AX7 tubes that won't ever amplify a musical note if I have anything to do with it.

Does anyone have any info on this change? I suspect the amplifier was added to reduce loading on the counters which were already pushed to the limit of what you could do with vacuum tubes. The 10 MHz decade counter is a very complex bit of circuitry.

73, and happy holidays,

Morris VK3DOC

From: wb3fau@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: tube subs- need opinon
Date: Thu, 21 Dec 2006 05:36:07 +0000
Message-Id:
<122120060536.1185.458A1D47000939E3000004A121604666489A0E00CC0D99@att.net>

Dear Tube Gurus, working on a Zenth chassis 7S432, schematic shows a 6J5 used as a detector.

Actual tube in use is a 6AF5. By layout, they do seem interchangeable. My drawing calls for the 6J5. But Zenith stamps the socket with the type used-

6AF5, as installed. Seems OK?
Russ.

Mime-Version: 1.0
Message-Id: <p06240801c1afd036d39f@[192.168.1.2]>
Date: Wed, 20 Dec 2006 21:49:19 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: tube subs- need opinon
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Russ,

In most such radios, the triode is wired with the plate and grid connected together to create a diode. That being the case, I imagine nearly any pin-compatible triode will do. 6J5 and 6AF5 are, as you indicated, pin-compatible.

Peace,

Scott

>Dear Tube Gurus, working on a Zenth chassis 7S432, schematic
>shows a 6J5 used as a detector.
>Actual tube in use is a 6AF5. By layout, they do seem
>interchangable. My drawing calls for the 6J5. But Zenith stamps
>the socket with the type used- 6AF5, as installed. Seems OK?
>Russ.

Message-ID: <002601c724e0\$6380fb20\$c0e47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: tube subs- need opinon
Date: Thu, 21 Dec 2006 01:14:07 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Russ,

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The schematic is available on Nostalgia air. I presume yours is the chassis with the 25AC5 output tube. The 6AF5 cathode is direct coupled to the control grid of the 25AC5 output tube in a quaint (by later tube design standards) circuit where the output tube control grid is constantly positive with respect to its cathode thereby supplying cathode current to the 6AF5. The 6AF5, being operated as cathode follower, is simply a buffer for the output tube to prevent loading of the 6Q7 1st audio amp. You can see it's a wasteful use of tubes, there were other output types that didn't require such a demanding drive requirement. It must have been the result of prehistoric audiophoolery! ;-)

A 6C5 or 6J5 will probably work just fine even though their transconductances are a bit higher. If not adding some resistance from the 6C5/6J5 cathode to ground

Ironically the later chassis using a 6F6 output tube wasted tubes by using a 6J5 as a diode detector. Those were the days when length still mattered when it came to tube count in radios, I guess.

Arden Allen
KB6NAX

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From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: tube subs- need opinon (with correction)
Date: Thu, 21 Dec 2006 01:18:07 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Russ,

> Dear Tube Gurus, working on a Zenith chassis 7S432, schematic shows a 6J5 used as a detector.
> Actual tube in use is a 6AF5. By layout, they do seem interchangeable. My drawing calls for the 6J5. But Zenith stamps the socket with the type used- 6AF5, as installed. Seems OK?

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A 6C5 or 6J5 will probably work just fine even though their transconductances are a bit higher. If not, adding some resistance from the 6C5/6J5 cathode to ground TOO BLEED OFF SOME CURRENT TO PREVENT OVERDRIVE OF THE 25AC5 MAY BE IN ORDER.

Ironically the later chassis using a 6F6 output tube wasted tubes by using a 6J5 as a diode detector. Those were the days when length still mattered when it came to tube count in radios, I guess.

Arden Allen
KB6NAX

End of BOATANCHORS Digest 3986
